

4×4 (overlapping, three thresholds A, B and C)

EMC: Energy Sums 2×2 (non overlapping)

RICH: 4×5 non overlapping, 3 photoelectrons

EMC: π^0, γ

EMC: Φ

e

EMC: h_{\pm}

EMC \otimes RICH

$N \geq N_{thrs.}$

$N \geq N_{thrs.}$ 2×2

2×2 , A, AUB or AUB

EMC

4×4 A, AUB or AUB, C

EMC \otimes RICH:

Generating LUT from Monte Carlo

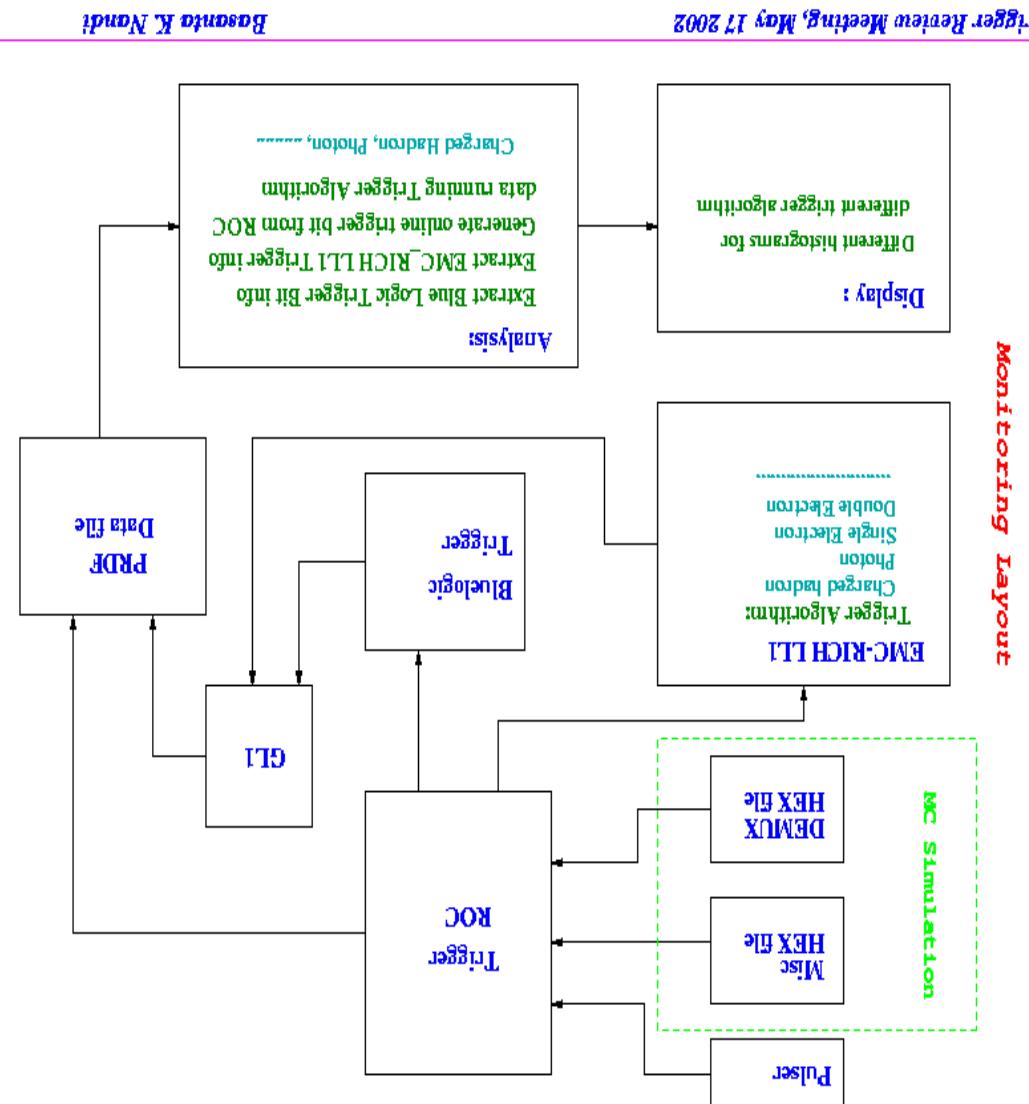
Needs to be tested

ERT LL1: Algorithms

Using information from RICH and EMC:

ERT LL1: Status and Tasks

1. Building/Testing of ERT LL1 boards
 - This will be done in Ames (1 board with 16 fibers is at BNL)
 - Populating the boards will start end of August
2. Integration of ERT LL1 boards
 - VME interface is working
 - Implementing read out of fibers is in progress/needs to be tested
 - Chain test: Read out of Trigger ROC's through LL1 and latching data into the GL-1 data stream
3. Implementing Algorithms
 - Testing with some very simple algorithms
 - Coding Algorithms, preparing LUT
 - Simulation of algorithms/Testing algorithms via VME
4. Testing Algorithms/Monitoring
 - Fire Trigger ROC's to produce trigger patterns
 - Comparison with Blue Logic



- Start with simple algorithm
- Testing algorithm with simulation
- Testing algorithm via VME
- Fire ROC's to test algorithm + trigger hardware
- Blue Logic Trigger can be used as a monitor
- Online-Reconstruction of J/Ψ as a monitor ?

Testing ERT LLL